

Name _____ Date _____

Winter Science

Directions: Circle the letter next to the answer that completes each sentence.

1. If a town in Ohio is due north of a town in Florida, on a winter day the Sun will set in the Ohio town _____.
 - a. before it sets in the Florida town
 - b. at the same time that it sets in the Florida town
 - c. after it sets in the Florida town

2. The lowest winter temperatures usually occur _____.
 - a. in the northernmost part of a continent
 - b. in the parts of the continent bordering the ocean
 - c. in the innermost parts of a continent

3. The shortest day of the year in the United States will be the _____ day of the year in Brazil.
 - a. shortest
 - b. longest
 - c. coldest

4. The coldest days of winter usually fall _____.
 - a. right around the winter solstice, because that is the shortest day of the year
 - b. a few weeks after the winter solstice, because heat retained by the oceans keeps it warmer for a while
 - c. towards spring, because then a region has been tilted away from the Sun the longest

5. The day of the winter solstice in Canada is also the day of the _____ in Australia.
 - a. winter solstice
 - b. spring equinox
 - c. summer solstice

6. Earth is farthest from the Sun in _____.
 - a. December
 - b. September
 - c. July

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Winter Science (continued)

7. Earth orbits the Sun in the shape of _____.
 - a. an ellipse
 - b. a circle
 - c. a double helix

8. In winter in northern Alaska, there are days when _____.
 - a. the Sun never sets
 - b. the Sun never rises
 - c. the Sun is at aphelion

9. Winter happens because _____.
 - a. Earth moves away from the Sun
 - b. Earth is always tilted and the part that is tilted away from the Sun has winter
 - c. the Sun has stronger and weaker cycles, and in the weaker cycles we have winter

10. When there is a thick layer of light, fluffy snow, the ground temperature will be _____.
 - a. colder, because the snow will draw heat
 - b. warmer, because snow insulates
 - c. the same temperature as if there were no snow